

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/535,260
Source: PCT
Date Processed by STIC: 1-24-06

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PCT

RAW SEQUENCE LISTING

DATE: 01/24/2006

PATENT APPLICATION: US/10/535,260

TIME: 10:57:58

Input Set : A:\sequence listing.txt

Output Set: N:\CRF4\01052006\J535260.raw

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5 <110> APPLICANT: VTT Biotechnology
9 <120> TITLE OF INVENTION: Non-competitive immunoassay for small analytes
13 <130> FILE REFERENCE: 2021739PC
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/535,260
C--> 17 <141> CURRENT FILING DATE: 2005-05-18
17 <160> NUMBER OF SEQ ID NOS: 5
21 <170> SOFTWARE: PatentIn version 3.1
25 <210> SEQ ID NO: 1
27 <211> LENGTH: 215
29 <212> TYPE: PRT
31 <213> ORGANISM: Mus sp.
35 <400> SEQUENCE: 1
37 Met Ala Asp Ile Lys Met Thr Gln Thr Pro Ser Ser Leu Ser Ala Ser
38 1          5          10          15
41 Leu Gly Asp Arg Val Thr Ile Ser Cys Arg Ala Ser Gln Asp Ile Ser
42          20          25          30
45 Asn Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Asp Gly Thr Val Lys Leu
46          35          40          45
49 Leu Ile Tyr Tyr Thr Ser Arg Leu His Ser Gly Val Pro Ser Arg Phe
50          50          55          60
53 Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile Ser Asn Leu
54 65          70          75          80
57 Glu Gln Glu Asp Ile Ala Thr Tyr Phe Cys Gln Gln Gly Asn Thr Leu
58          85          90          95
61 Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala Asp Thr
62          100         105         110
65 Ala Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu Gln Leu Thr Ser
66          115         120         125
69 Gly Gly Ala Ser Val Val Cys Phe Leu Asn Asn Phe Tyr Pro Lys Asp
70          130         135         140
73 Ile Asn Val Lys Trp Asn Ile Asp Gly Ser Glu Arg Gln Asn Gly Val
74 145         150         155         160
77 Leu Asn Ser Trp Thr Asp Gln Asp Ser Lys Asp Ser Thr Tyr Ser Met
78          165         170         175
81 Ser Ser Thr Leu Thr Leu Thr Lys Asp Glu Tyr Glu Arg His Asn Ser
82          180         185         190
85 Tyr Thr Cys Glu Ala Thr His Lys Thr Ser Thr Ser Pro Ile Val Lys
86          195         200         205
89 Ser Phe Asn Arg Asn Glu Cys
90          210         215
93 <210> SEQ ID NO: 2
95 <211> LENGTH: 236
97 <212> TYPE: PRT

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99 <213> ORGANISM: Mus sp.

103 <400> SEQUENCE: 2

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105 Met Ala Ala Glu Val Lys Leu Val Glu Ser Gly Gly Thr Leu Val Lys
106 1          5          10          15
109 Pro Gly Gly Ser Leu Lys Leu Ser Cys Glu Ala Ser Gly Ile Thr Phe
110          20          25          30
113 Ser Thr Tyr Val Met Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu
114          35          40          45
117 Glu Trp Val Ala Ser Ile Asn Ser Gly Gly Arg Thr Tyr Tyr Pro Asp
118          50          55          60
121 Ser Val Lys Gly Arg Phe Ala Ile Ser Arg Asp Asp Lys Gly Asn Ile
122 65          70          75          80
125 Leu Tyr Leu Gln Leu Asn Ser Leu Arg Ser Glu Asp Thr Ala Ile Tyr
126          85          90          95
129 Tyr Cys Ala Arg Glu Gly Ser Tyr Gly Asn Asn Trp Tyr Phe Asp Val
130          100          105          110
133 Trp Gly Ala Gly Thr Thr Val Thr Val Ser Ser Ala Lys Thr Thr Pro
134          115          120          125
137 Pro Ser Val Tyr Pro Leu Val Pro Gly Ser Ala Ala Gln Thr Asn Ser
138          130          135          140
141 Met Val Thr Leu Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro Val
142 145          150          155          160
145 Thr Val Thr Trp Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr Phe
146          165          170          175
149 Pro Ala Val Leu Gln Ser Asp Leu Tyr Thr Leu Ser Ser Ser Val Thr
150          180          185          190
153 Val Pro Ser Ser Thr Trp Pro Ser Glu Thr Val Thr Cys Asn Val Ala
154          195          200          205
157 His Pro Ala Ser Ser Thr Lys Val Asp Lys Lys Ile Val Pro Arg Asp
158          210          215          220
161 Cys Gly Thr Ser Trp Ser His Pro Gln Phe Glu Lys
162 225          230          235

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165 <210> SEQ ID NO: 3

167 <211> LENGTH: 215

169 <212> TYPE: PRT

171 <213> ORGANISM: Mus sp.

175 <400> SEQUENCE: 3

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177 Met Ala Asp Ile Lys Met Thr Gln Thr Pro Ser Ser Leu Ser Ala Ser
178 1          5          10          15
181 Leu Gly Asp Arg Val Thr Ile Ser Cys Arg Ala Ser Gln Asp Ile Asn
182          20          25          30
185 Tyr Tyr Leu Asn Trp Tyr Gln Gln Lys Pro Asp Gly Thr Val Lys Leu
186          35          40          45
189 Leu Ile Tyr Tyr Thr Ser Ile Leu His Ser Gly Val Pro Ser Arg Phe
190          50          55          60
193 Ser Gly Ser Gly Ser Gly Thr Asp Tyr Ser Leu Thr Ile Ser Asn Leu
194 65          70          75          80
197 Glu Gln Glu Asp Ile Ala Thr Tyr Phe Cys Gln Gln Gly Asn Ala Leu
198          85          90          95

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201 Trp Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala Asp Ala
202      100      105      110
205 Ala Pro Thr Val Ser Ile Phe Pro Pro Ser Ser Glu Gln Leu Thr Ser
206      115      120      125
209 Gly Gly Ala Ser Val Val Cys Phe Leu Asn Asn Phe Tyr Pro Lys Asp
210      130      135      140
213 Ile Asn Val Lys Trp Lys Ile Asp Gly Ser Glu Arg Gln Asn Gly Val
214 145      150      155      160
217 Leu Asn Ser Trp Thr Asp Gln Asp Ser Lys Asp Ser Thr Tyr Ser Met
218      165      170      175
221 Ser Ser Thr Leu Thr Leu Thr Lys Asp Glu Tyr Glu Arg His Asn Ser
222      180      185      190
225 Tyr Thr Cys Glu Ala Thr His Lys Thr Ser Thr Ser Pro Ile Val Lys
226      195      200      205
229 Ser Phe Asn Arg Asn Glu Cys
230      210      215
233 <210> SEQ ID NO: 4
235 <211> LENGTH: 236
237 <212> TYPE: PRT
239 <213> ORGANISM: Mus sp.
243 <400> SEQUENCE: 4
245 Met Ala Ala Glu Val Asn Leu Val Glu Ser Gly Gly Gly Leu Val Lys
246 1      5      10      15
249 Pro Gly Gly Ser Leu Lys Leu Ser Cys Glu Ala Ser Gly Ile Thr Phe
250      20      25      30
253 Ser Lys Tyr Val Ile Thr Trp Val Arg Gln Ala Pro Glu Lys Arg Leu
254      35      40      45
257 Glu Trp Val Thr Ser Ile Asn Ser Gly Gly Arg Thr Tyr Tyr Pro Asp
258      50      55      60
261 Ser Val Lys Gly Arg Phe Ala Ile Ser Arg Asp Asn Ala Gly Asn Ile
262 65      70      75      80
265 Leu Tyr Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Ile Tyr
266      85      90      95
269 Tyr Cys Thr Arg Glu Gly Ser Tyr Gly Asn Asn Trp Tyr Phe Asp Val
270      100      105      110
273 Trp Gly Ala Gly Thr Thr Val Thr Leu Ser Ser Ala Lys Thr Thr Pro
274      115      120      125
277 Pro Ser Val Tyr Pro Leu Ala Pro Gly Ser Ala Ala Gln Thr Asn Ser
278      130      135      140
281 Met Val Thr Leu Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro Val
282 145      150      155      160
285 Thr Val Thr Trp Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr Phe
286      165      170      175
289 Pro Ala Val Leu Gln Ser Asp Leu Tyr Thr Leu Ser Ser Ser Val Thr
290      180      185      190
293 Val Pro Ser Ser Thr Trp Pro Ser Glu Thr Val Thr Cys Asn Val Ala
294      195      200      205
297 His Pro Ala Ser Ser Thr Lys Val Asp Lys Lys Ile Val Pro Arg Asp
298      210      215      220

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301 Cys Gly Thr Ser Trp Ser His Pro Gln Phe Glu Lys
302 225                230                235
305 <210> SEQ ID NO: 5
307 <211> LENGTH: 272
309 <212> TYPE: PRT
311 <213> ORGANISM: Homo sapiens
315 <400> SEQUENCE: 5
317 Met Ala Gln Val Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro
318 1      5      10      15
321 Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asp
322      20      25      30
325 Asp Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu
326      35      40      45
329 Trp Val Ser Gly Ile Ser Trp Asn Ser Gly Ser Ile Gly Tyr Ala Asp
330      50      55      60
333 Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser
334 65      70      75      80
337 Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr
338      85      90      95
341 Tyr Cys Ala Arg Glu Arg Gly Gly Tyr Tyr Phe Asp Tyr Trp Gly Gln
342      100     105     110
345 Gly Thr Leu Val Thr Val Ser Ser Leu Glu Gly Gly Gly Gly Ser Gly
346      115     120     125
349 Gly Gly Gly Ser Gly Gly Gly Gly Ser Glu Leu Asp Ile Gln Met Thr
350      130     135     140
353 Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile
354 145     150     155     160
357 Thr Cys Gln Ala Ser Gln Asp Ile Ser Asn Tyr Leu Asn Trp Tyr Gln
358      165     170     175
361 Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Asp Ala Ser Asn
362      180     185     190
365 Leu Glu Thr Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr
366      195     200     205
369 Asp Phe Thr Phe Thr Ile Ser Ser Leu Gln Pro Glu Asp Ile Ala Thr
370      210     215     220
373 Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Tyr Thr Phe Gly Gln Gly
374 225     230     235     240
377 Thr Arg Leu Glu Ile Lys Arg Ala Ala Ala Glu Gln Lys Leu Ile Ser
378      245     250     255
381 Glu Glu Asp Leu Asn Gly Ala Ala Ser Arg His His His His His His
382      260     265     270

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/535,260

DATE: 01/24/2006

TIME: 10:57:59

Input Set : A:\sequence listing.txt

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L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date